

APPENDIX 1 – AMENDED CLAIMS

1. A twisted pair cable comprising a plurality of pairs, each of said pairs comprising:
[two conductors, each of said conductors being covered with an inner layer insulator and an outer layer insulator, said conductors being eccentric with respect to the overall insulation of said inner and outer layer insulator, said conductors being separated by a distance S1 which is smaller than the separation S2 between one of the two conductors and a conductor of an adjacent pair] two assemblies, a first assembly comprising:

a conductor;

an inner insulator surrounding the conductor;

an outer insulator surrounding the inner insulator;

an inner edge of the first assembly defined by a surface of the first assembly
closest to a second assembly in the same pair; and

an outer edge of the first assembly defined by a surface of the first assembly
farthest from the second assembly in the same pair, the outer edge of the first
assembly being farther from the conductor than the inner edge of the first
assembly over the length of the pair.

3. A twisted pair cable comprising a plurality of pairs, each of said pairs comprising:
[two conductors, each of said conductors being covered with an inner layer insulator and an outer layer insulator defining an outer surface, said conductors being asymmetric such that said conductors are closer to each other than to conductors in adjacent pairs in contact at the outer surface opposite said conductors] two conductor assemblies, a first assembly comprising:

a conductor;

at least one layer of insulator surrounding the conductor;

an inner edge of the first assembly defined by a surface of the first assembly
closest to a second conductor assembly in the same pair; and

an outer edge of the first assembly defined by a surface of the first assembly
farthest from the second conductor assembly in the same pair, the outer edge

of the first assembly being farther from the conductor than the inner edge of the first assembly over the length of the pair.

4. A twisted pair cable according to claim 1, wherein said conductor[s] of the first assembly is [are] closer to [each other] a conductor of the second assembly than to an outer surface opposite said conductors.

9. A twisted pair cable according to claim 4, wherein [each of said conductors] the first assembly further comprises a middle [layer] insulator, said inner and outer [layer] insulators being [an] extrudable elastomers and wherein said middle [layer] insulator is an extrudable polymer.

17. A twisted pair cable comprising a plurality of pairs, each of said pairs comprising: two assemblies, a first assembly comprising:

- a first conductor,
- an inner insulator surrounding the first conductor,
- an outer insulator surrounding the inner insulator,
- an inner edge of the first assembly defined by a surface of the first assembly closest to a second assembly in the same pair, and
- an outer edge of the first assembly defined by a surface of the first assembly farthest from the second assembly in the same pair, the outer edge of the first assembly being farther from the first conductor than the inner edge of the first assembly over the length of the pair; and

a second assembly comprising:

- a second conductor,
- an inner insulator surrounding the second conductor,
- an outer insulator surrounding the inner insulator,
- an inner edge of the second assembly defined by a surface of the second assembly closest to the first assembly in the same pair, and

Serial No. 09/585,072
Confirmation No.: 5741

-11-

Art Unit: 2831

an outer edge of the second assembly defined by a surface of the second assembly farthest from the first assembly in the same pair, the outer edge of the second assembly being farther from the second conductor than the inner edge of the second assembly over the length of the pair.